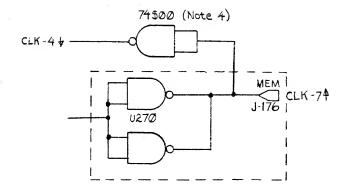
PERQ I/O BUS ADDRESS ALLOCATION

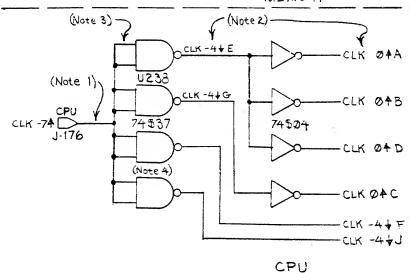
 ADDRESS		READ/V	WRITE	BOAR) ASS	IGNMENT		FUNCTIO	NC			
177 1 150	USER	USEABLE	ADDRESSES	(3RCC W	ILL N	OT USE)				,		
147 146 145 144 143		R R W		1	MEM B	oard oard	Unus CRT Load	Signals Cursor)	(Po	sit		
143 142 141 140 137 136		W W W W		4 4 4	MEM BOMEM BO	oard oard oard	Load Load Load	Video Si Cursor / Display Line Cnt Select 1	IDR ADR r	Cou	nte	r
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122 121 120 117 116 115 114		W W W		I	/0 Bo	pard	Disk	" " Buffer "	PROFRIETARY INFORMATION	FOR USE IN MAINTENANCE	ONLY. NOT TO BE COPIED	OR DISCLOSED
113 112 111 110 107		W W W		I	/0 Bo	pard		" " Write In RQ to Z80		face	3	
106 105 104 103		R W W R		I	/0 Bc /0 Bc /0 Bc /0 Bc	ard ard	PERQ (Z80 Net A	Reads In D to PERQ ADR Load Control Status	teri	face	9	
102 101 100 077 	UNUSE	W W R	VED FOR 3R	I I	/0 Bo /0 Bo /0 Bo	ard ard ard	Disk Disk	Head Loa	d			
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MEMORY

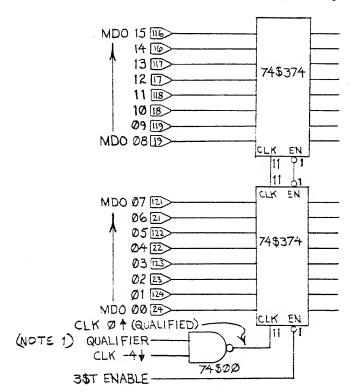


CLK -7+ J-176 (Note 1) 74\$04 (Note 4) CLK 0 +

- Note 1: CONNECTIONS TO FINGER 176 (CLK-7+) SHOULD BE ABSOLUTELY AS SHORT AS POSSIBLE.
- Note 2: FANOUT ON CLK-4+ AND CLK Ø + SHOULD BE LESS THAN 15 TTL LOADS
- Note 3: CLK -7 SHOULD CARRY AS FEW LOADS AS POSSIBLE. (1 LOAD PER BOARD IS DESIREABLE.) THIS MAY BE WAIVED IN ORDER TO OBEY Note 2.
- Note 4: GATES RECEIVING CLK-71 OR CLK-4+ SHOULD BE SCHOTTKY INVERTING GATES. (74504, 74509 PREFERRED)

2		Three	Rivers		uler	_		
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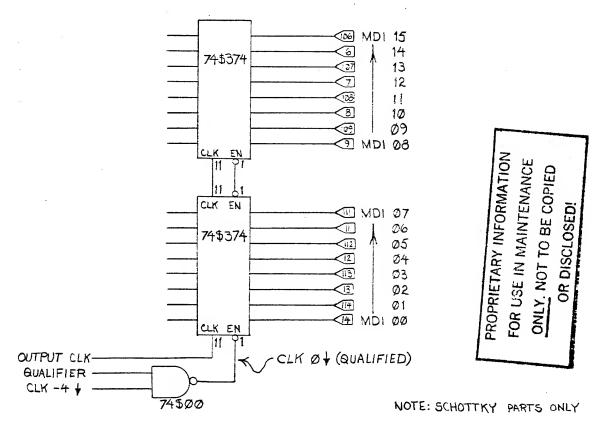
TYPICAL CIRCUIT for CAPTURING DATA from MEMORY



NOTES

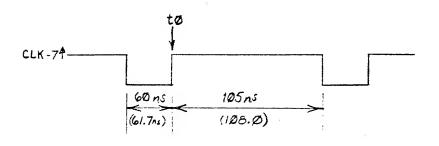
1. QUALIFIER MAY BE = TRUE
2. SCHOTTKY PARTS ONLY

TYPICAL CIRCUIT for SENDING DATA to MEMORY



$\overline{}$	Three	Rivers	Computer
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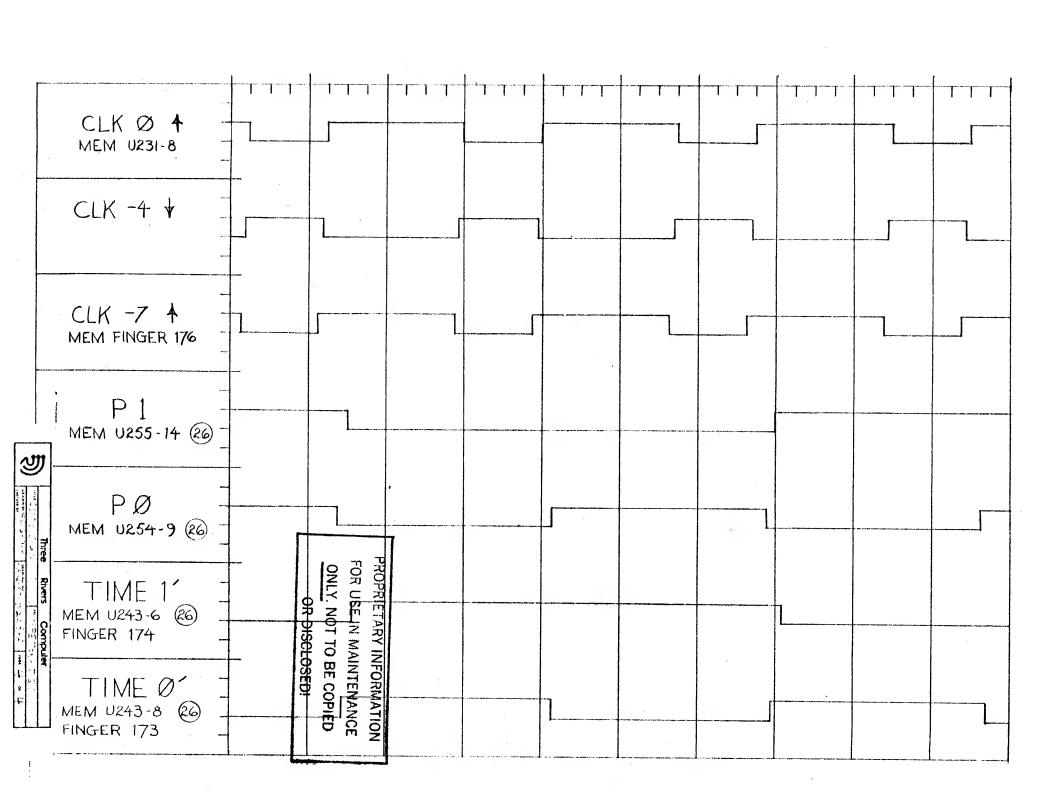
ACTUAL	FOR TIMING CALCULATIONS
VIDEO CLOCK $f = 64.78824 \text{ mHz}$ $\frac{1}{f} = T = 15.434 \text{ ns}$	15 ns
SYSTEM CLOCK $f = 5.89$ MHz $\frac{1}{f} = T = 169.78$ ns	165 ns

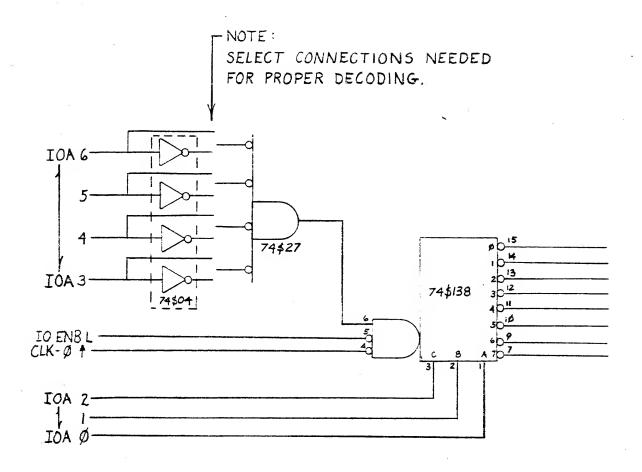


NOTES:

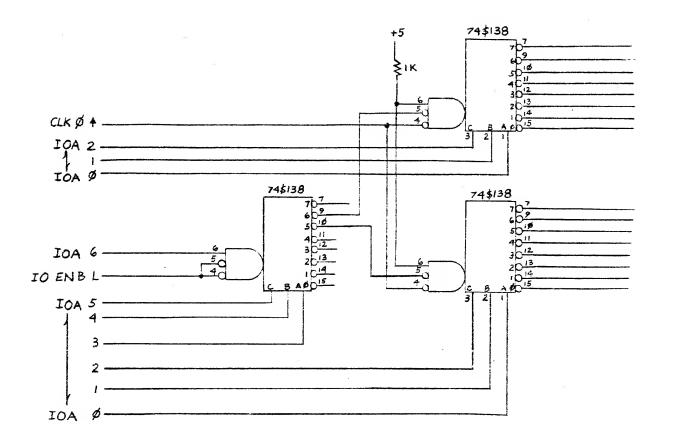
1. CLOCK -7 Finger 176 MEMORY
2. USE ROUNDED VALUES for TIMING CALCULATIONS
(1505 VID CLK; 16505 SYSTEM CLK) THIS ALLOWS
MARGIN FOR CLOCK JITTER.

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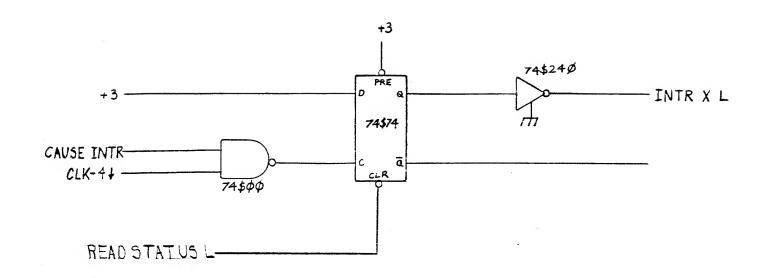




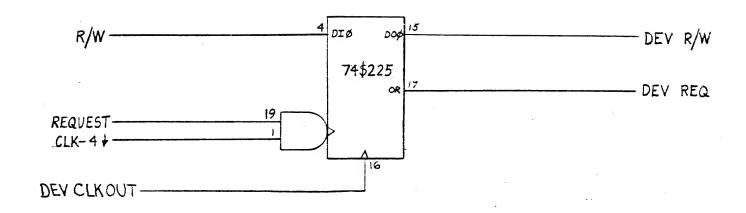
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